

**Notice of Allowability**

Application No.

10/736,840

Examiner

Angel A. Castro

Applicant(s)

BAE ET AL.

Art Unit

2627

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-4, 6-8, 10, 9, 5, 11-16, 18-20, 22-23, 21, 17, 24-25, renumbered consecutively as allowed claims 1-25.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_.

  
**ANGEL CASTRO**  
**PRIMARY EXAMINER**

## DETAILED ACTION

### *Priority*

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### *Allowable Subject Matter*

2. Claims 1-25 are allowed.
3. The following is an examiner's statement of reasons for allowance:

The prior art of record neither suggest nor renders obvious the instant combination in a lead screw adjustment structure of a disc drive to adjust a lead screw comprising an incorporated elastic member installed on the pickup deck to apply an elastic force in an upward direction and an axial direction to one end portion of the lead screw; and an adjustment screw, disposed above the elastic member, which adjusts the end portion of the lead screw up and down, when the adjustment screw is rotated as set forth in independent claim 1.

The prior art of record neither suggest nor renders obvious the instant combination in a lead screw adjustment structure of a disc drive, comprising a lead screw having first and second ends, an elastic member, to apply elastic forces in radial and axial directions to one of the ends of the lead screw as set forth in independent claim 11.

The prior art of record neither suggest nor renders obvious the instant combination in an adjustable elastic member apparatus to adjust the attitude and location of a lead screw relative to a disc surface, comprising a guide, through which an end of the lead screw extends, to guide

Art Unit: 2627

vertical movement of the lead screw; a support on an underside of the deck, having an abutting end, into which the end of the lead screw fits, and a supporting end which extends lower than the connection portion; an adjustment screw to penetrate the deck and to contact an upper side of the support; and an elastic member having a base fitted to the supporting end of the support, a first pressing portion coupled to the base portion, to exert a vertical elastic force on an underside of the support, and a second pressing portion to exert an axial elastic force on the end of the lead screw as set forth in independent claim 24.

The prior art of record neither suggest nor renders obvious the instant combination in an elastic member apparatus to adjust the attitude and location of a lead screw relative to a disc surface, having a guide, through which an end of the lead screw extends, to guide vertical movement of the lead screw, and a support on an underside of the deck, having an abutting end, through which the end of the lead screw tightly extends, and a supporting end which extends lower than the connection portion, the elastic member comprising an adjustment screw to penetrate the deck and to contact an upper side of the support; a base of an elastic member, fitted to the supporting end of the support; a first pressing portion coupled to the base portion, to exert a vertical elastic force on an underside of the support; and a second pressing portion to exert an axial elastic force on the end of the lead screw as set forth in independent claim 25.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angel A. Castro whose telephone number is 571-272-7584. The examiner can normally be reached on Monday through Thursday, 8 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on 571-272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Angel Castro, Ph.D.